

FIG. 1

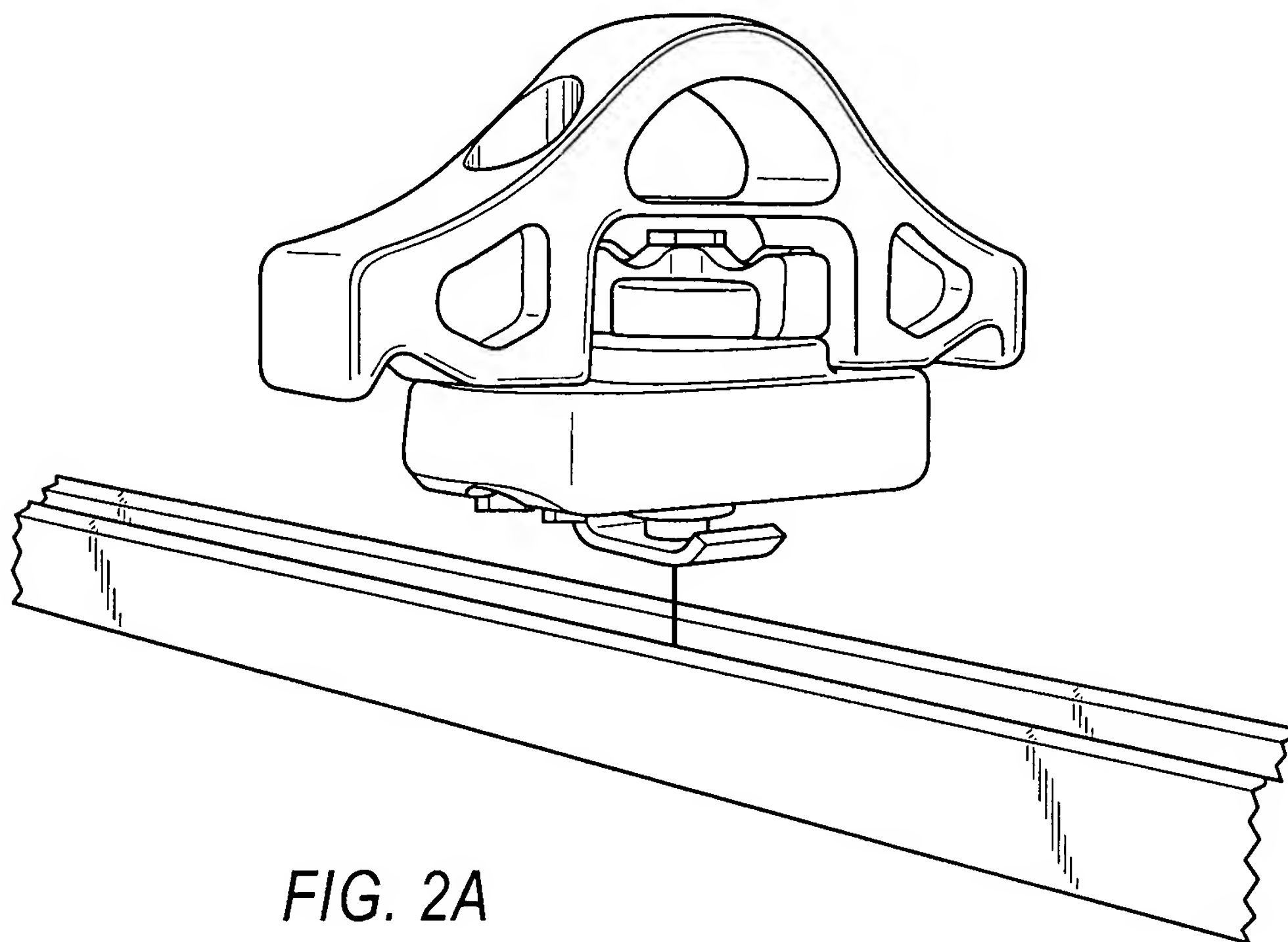


FIG. 2A

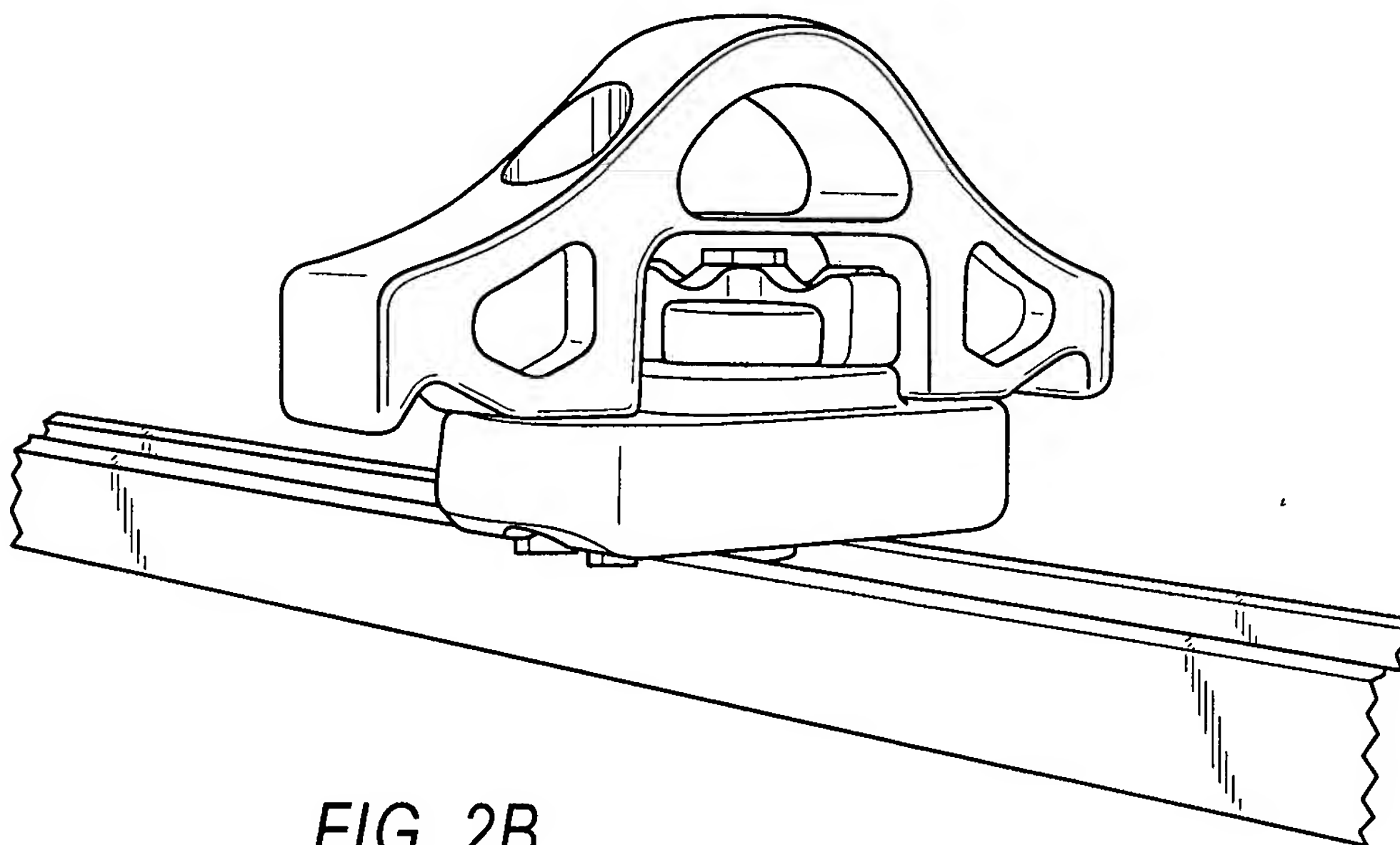


FIG. 2B

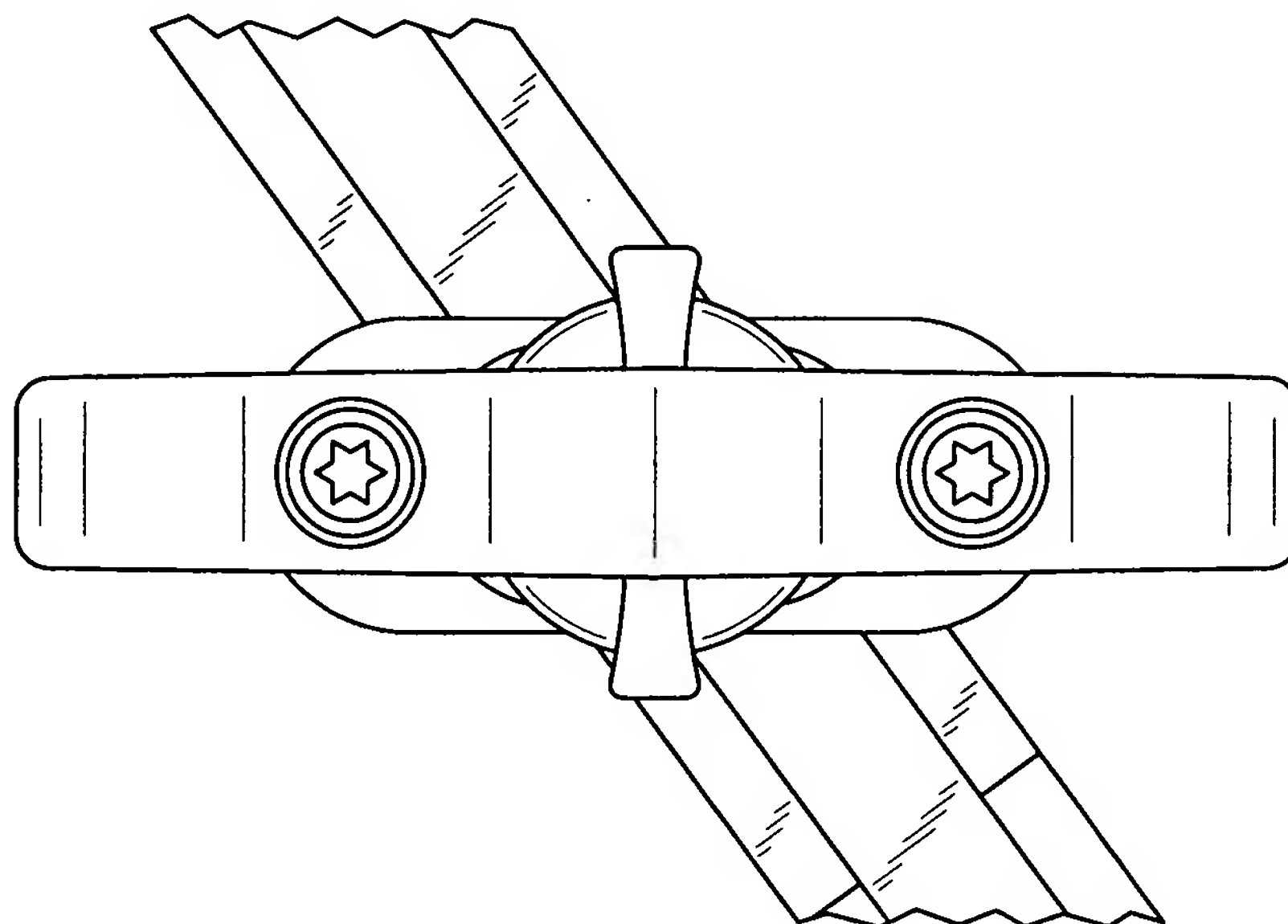


FIG. 2C

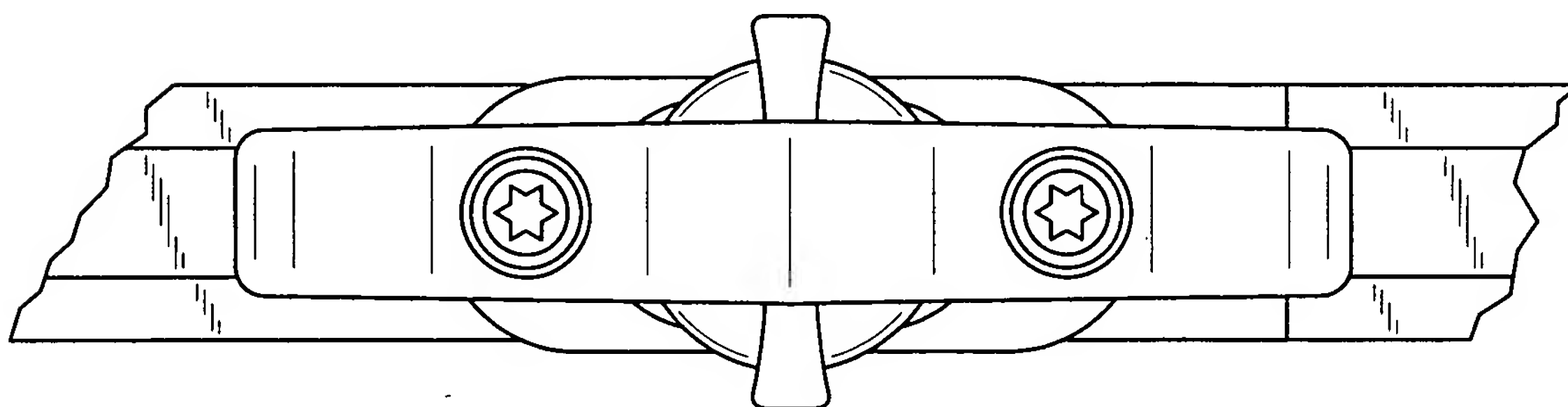


FIG. 2D



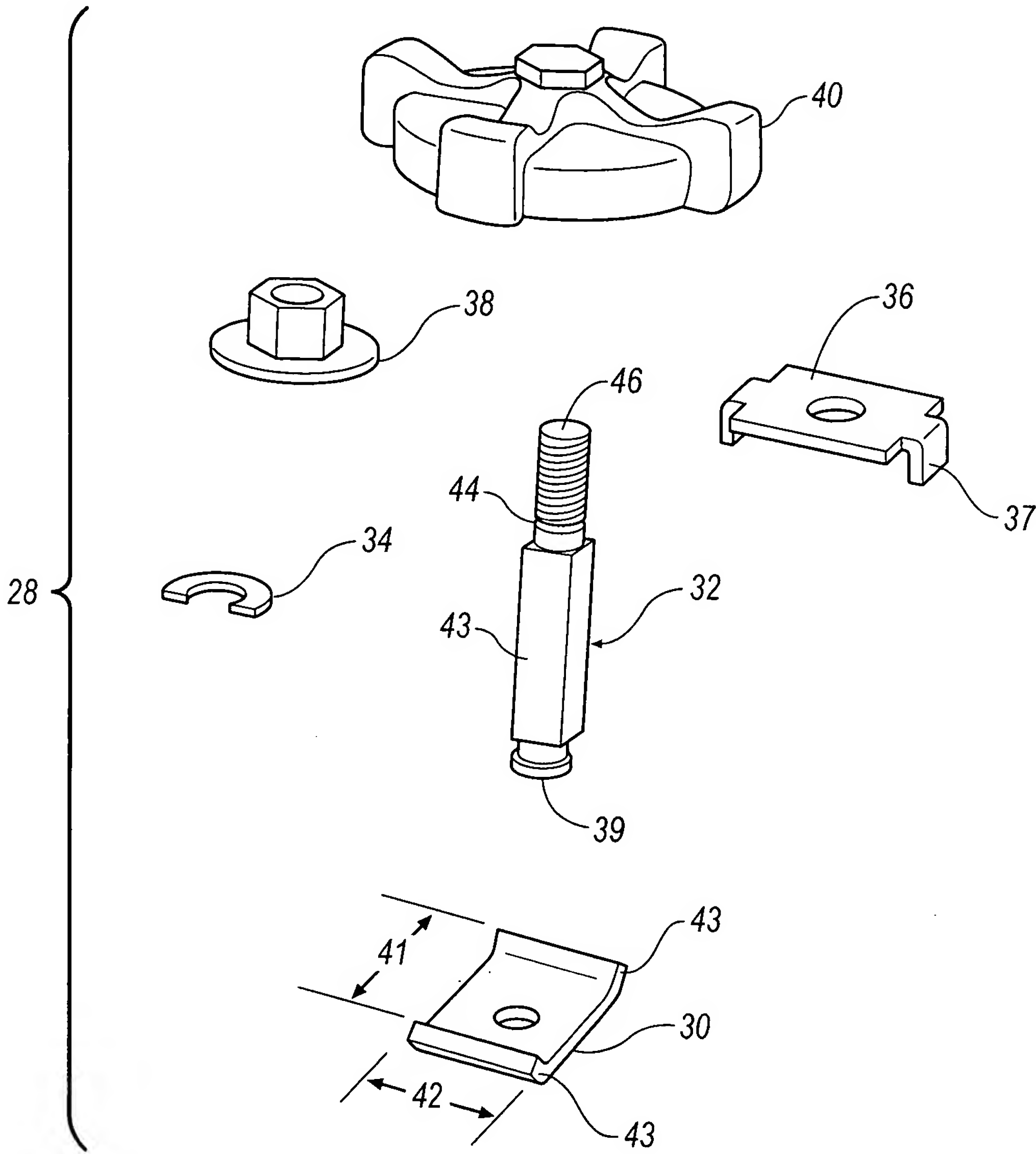


FIG. 4

Label	Part Name	Material	Yield Strength	Ultimate/ Tensile Strength	Elongation	Poisson's Ratio	E
18	Tie Down	Aluminum A413	131 Mpa	290 Mpa	3.5 (% in 2")	0.33	75.8 Gpa
40	Thumb Wheel	Aluminum A413	131 Mpa	290 Mpa	3.5 (% in 2")	0.33	75.8 Gpa
20	Base Plate	Aluminum A413	131 Mpa	290 Mpa	3.5 (% in 2")	0.33	75.8 Gpa
38	Nut/Washer Asm	Nut - 1010 - 1020 Steel	303 Mpa	365 Mpa	20 (% in 2")	0.29	203.3 Gpa
		Washer - 1050 Spring Steel	579 Mpa	689 Mpa	12 (% in 2")	0.29	203.3 Gpa
36	Thrust Washer	S.S. 302 - 304	276 Mpa	568 Mpa	1.67 (frac. strain)	0.28	189.6 Gpa
32	Pin	S.S. 302 - 304	276 Mpa	568 Mpa	1.67 (frac. strain)	0.28	189.6 Gpa
30	Lock Plate	S.S. 302 - 304	276 Mpa	568 Mpa	1.67 (frac. strain)	0.28	189.6 Gpa
22	Bolt - 8mm	S.S. 302 - 304	276 Mpa	568 Mpa	1.67 (frac. strain)	0.28	189.6 Gpa
23	Washer - 8mm	S.S. 302 - 304	276 Mpa	568 Mpa	1.67 (frac. strain)	0.28	189.6 Gpa
24	Nut - 8mm	S.S. 302 - 304	276 Mpa	568 Mpa	1.67 (frac. strain)	0.28	189.6 Gpa
34	Retainer						
12	Bed Rail	T6 - 6063 Anodized Al	213 Mpa	241 Mpa	12 (% in 2")	0.35	70.3 Gpa

FIG. 5

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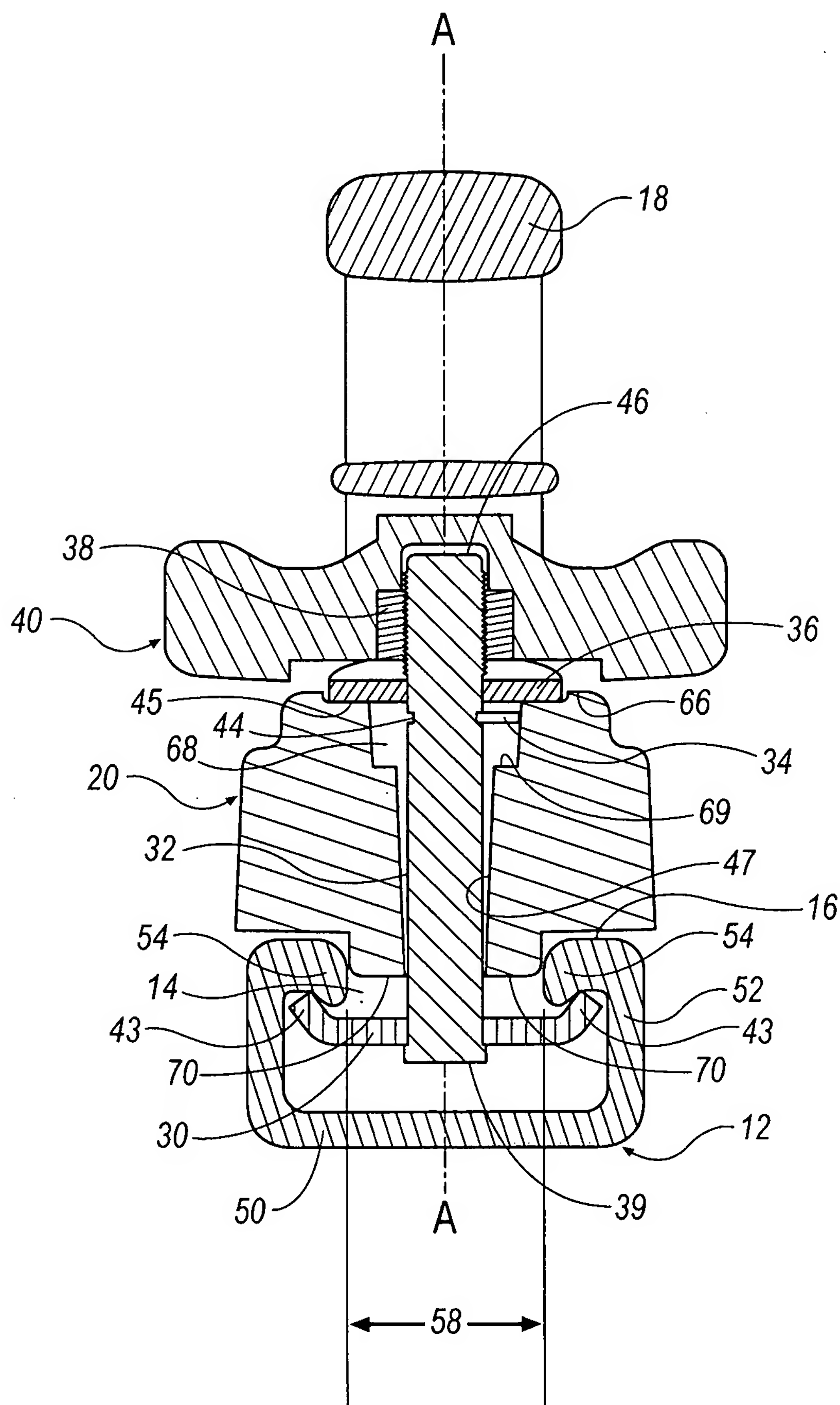


FIG. 6

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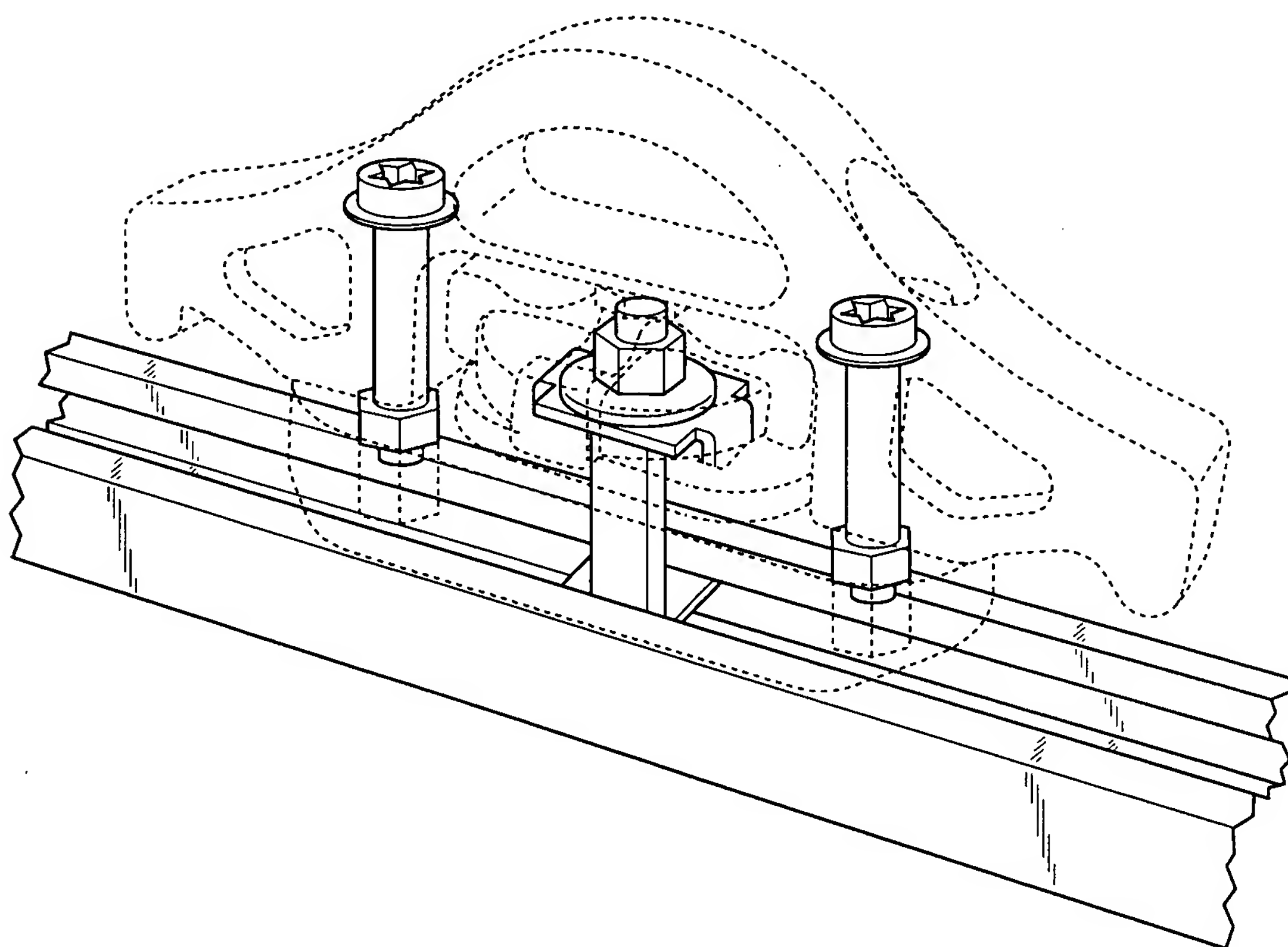


FIG. 7



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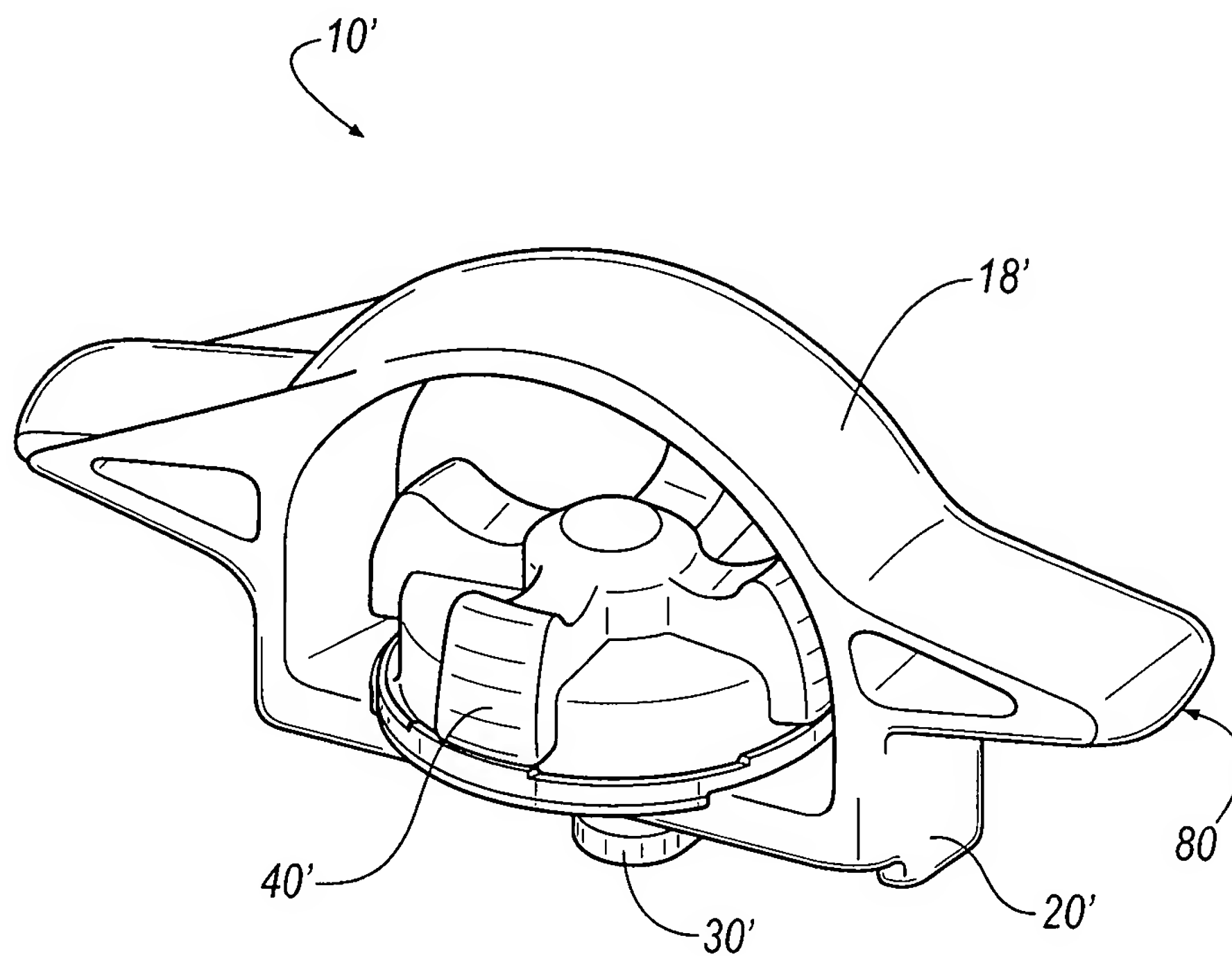


FIG. 8



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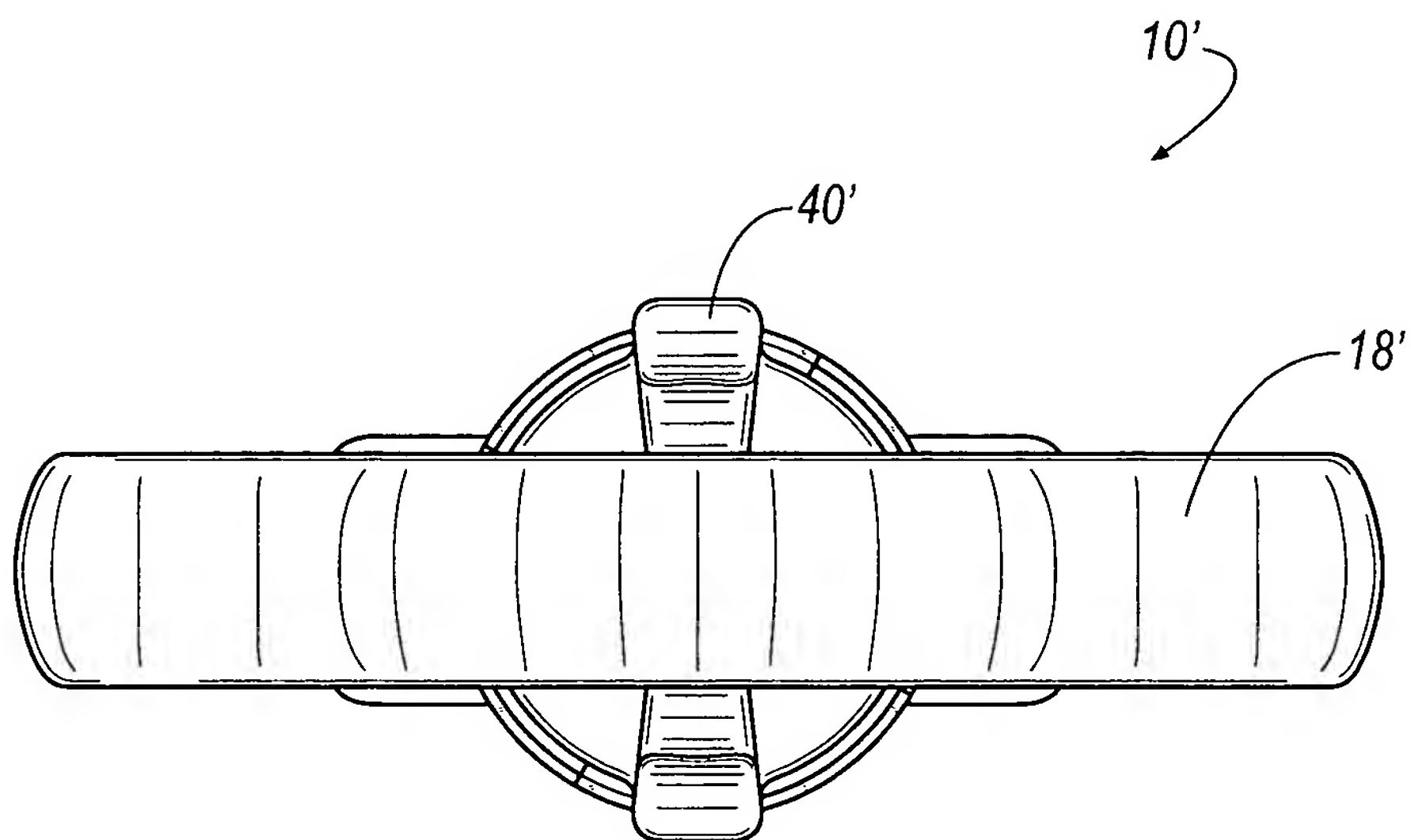


FIG. 11

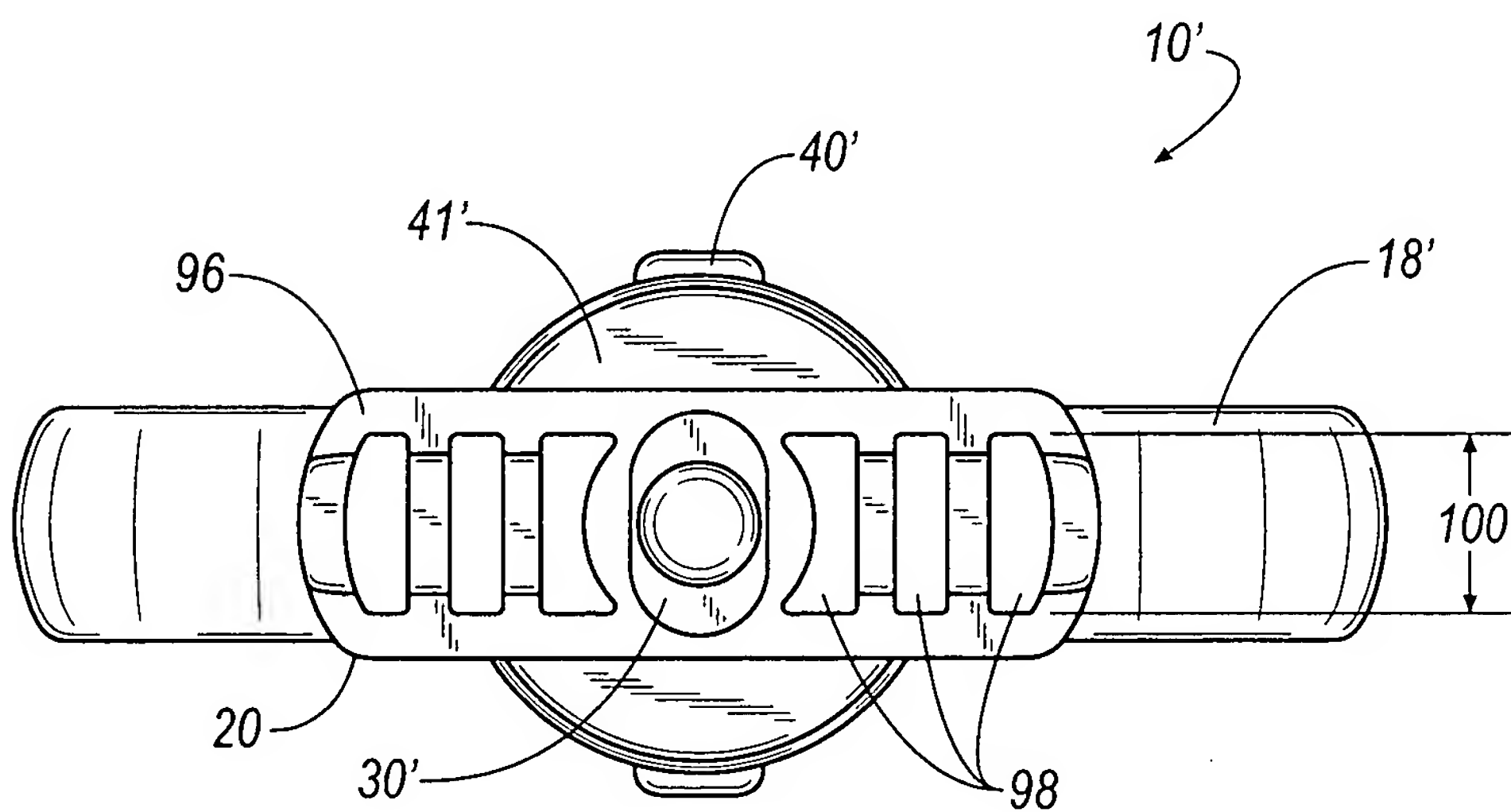


FIG. 12

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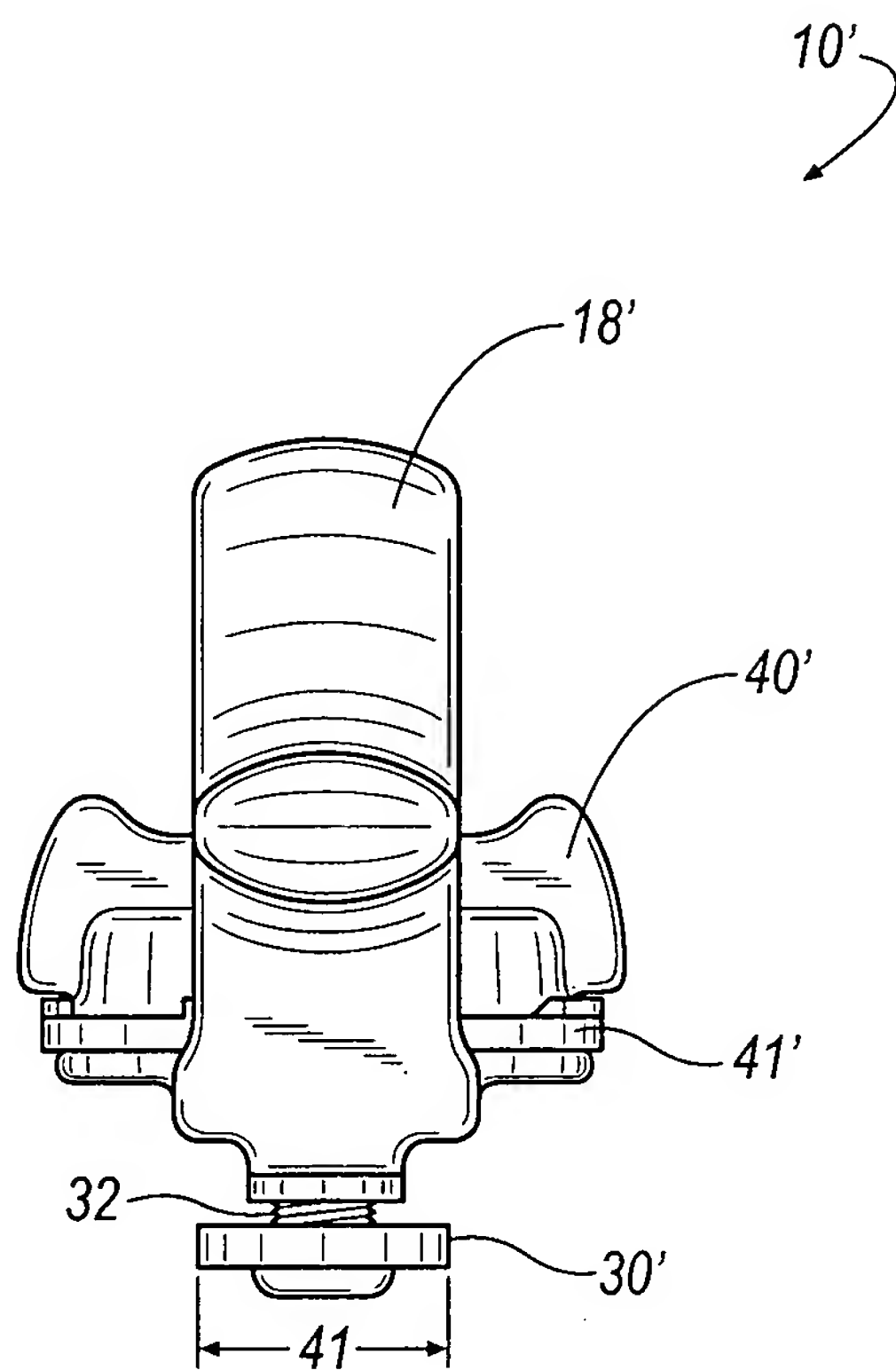
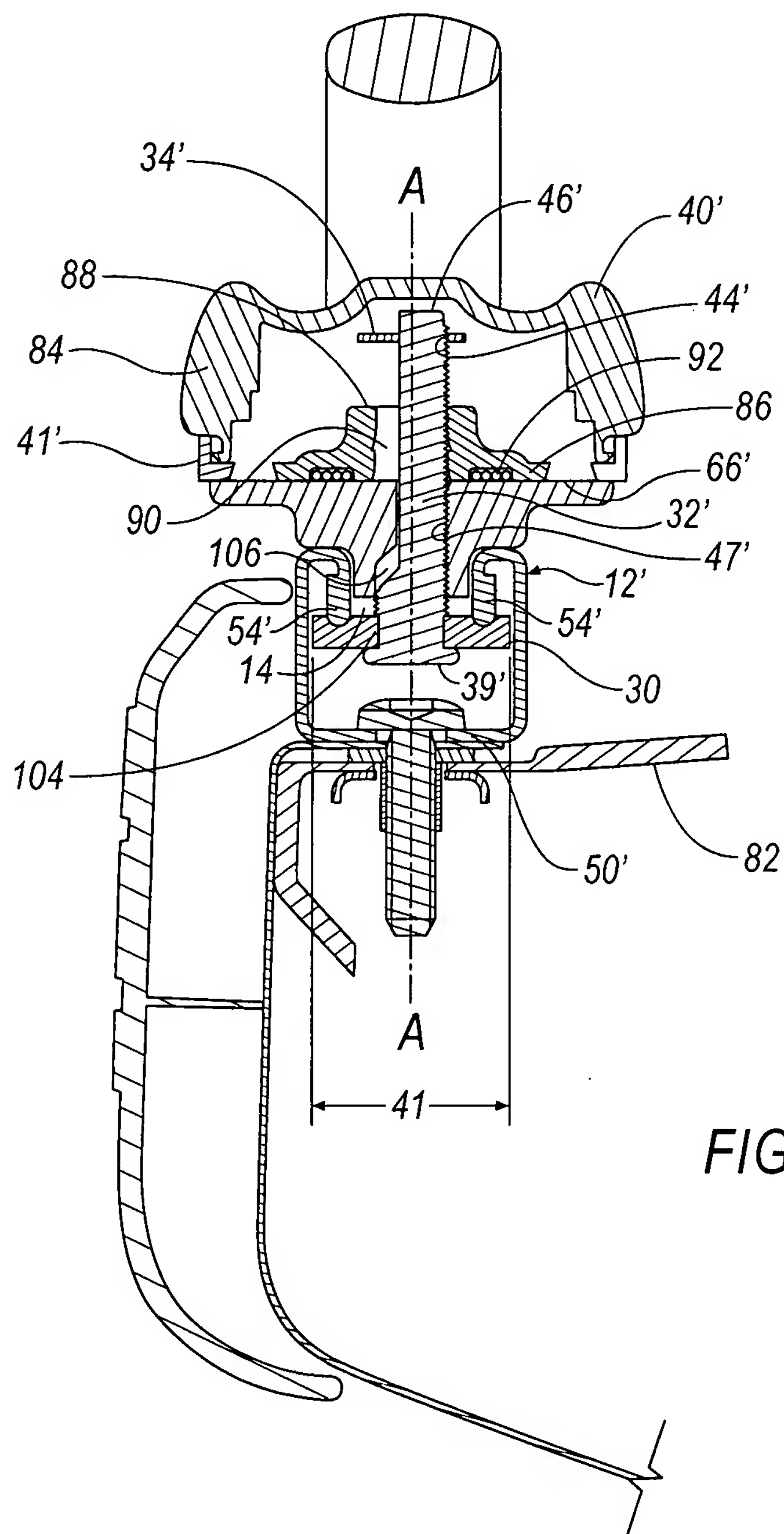


FIG. 13



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